

**Product Code . SEL-EELE-11103**

## Study of SCR and A.C. Phase Control



### Description

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#### Study of SCR and A.C. Phase Control

This protects external instruments from damage if they are not isolated. The unit is operative on 230V  $\pm 10\%$  at 50 Hz A.C. mains. Good quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms. Adequate no. of patch cords stackable 4 mm spring loaded plug length  $\frac{1}{2}$  meter. Strongly supported by detailed operating instructions, giving details of object, theory, design procedures, report suggestions and book references. Weight: 7 kg. (approx.). Dimension: W 412 x H 150 x D 310.




#### Features:-

- Two potentiometers for resistance controlled ramps.
- An isolation transformer 230 VA.C. 250 mA.
- Bridge rectifier for full-wave phase control with zener regulator.
- Two potentiometers for resistance controlled pedestals.
- Uni-junction transistor 2N 2646.
- Pulse transformer 1:1:1.

- Three SCRs for half-wave and full-wave inverse parallel connections.
- Adequate no. of other electronic components.
- Mains ON/OFF switch, fuse and jewel light.

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